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NETBUGGER3

NETBUGGER3 is a third level program for the debugging of second and third level programs, experimentation with and simulation of third level protocols.

We were writing an RJE FILENET to interact with UCLA-CCN, and discovered that they (UCLA-CCN) wouldn't be up for a few months. We needed a program that would simulate CCN, so that we could interact with it and debug our FILENET. It occurred to me that all over the network, people had similar problems, i.e., they couldn't debug programs because the intended server wasn't up. And so I started to write a third level debugger-simulater.

With NETBUGGER3 the user can easily issue RTSs, STRs and LISTENs, interrogate the status of connections, receive and display NCP-USER events and transmit and receive data over as many as twelve connections (per copy of program running). Received data can be displayed in ASCII, EBCDIC on HEX. The user can, of course, originate data for transmission in the same forms. NETBUGGER3 can be initiator, receiver and/or intermediate in connections.

An example of how NETBUGGER3 could be of use to other hosts on the Net follows.

Host X has a special third level Filenet to debug. The host they plan to interact with won't be up for several months. Host X can arrange with us to interact with NETBUGGER3, which will simulate the proposed third level protocol and transactions.

An alternate possibility is for Host X to use his Telnet to enter our system and start NETBUGGER3 himself. He can then be running NETBUGGER3 on one console and his filenet on another.

Then, later on when the other server Host is up, NETBUGGER3 can be used as an intermediate between Host X and his serving host. Every message from Host X to server and vice versa can be displayed, examined and, if necessary, edited as it passes through the NETBUGGER3 console, thus making possible debugging and measurements.

This is only one example. If you are interested in using, receiving documentation, making suggestions or anything else regarding NETBUGGER3, please contact the Network liaison at UCLA - NMC.